STN STRUCTURE SEARCH
8-2-04

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Inventors

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2004:493683 CAPLUS
DOCUMENT NUMBER: 141:54209
TITLE: Preparation of substituted dihydrophenanthridine sulfonamides as estrogen receptor (ER) ligands for treatment of inflammatory diseases
INVENTOR(S): Molinari, Albert John; Ashwell, Mark Anthony; Ridgway, Brian Hugh; Failli, Amedeco Arturo; Moore, William Jay
PATENT ASSIGNEE(S): Wyeth, John, and Brother Ltd., USA
SOURCE: PCT Int. Appl., 203 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004050631	A1	20040617	WO 2003-US38290	20031202

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU

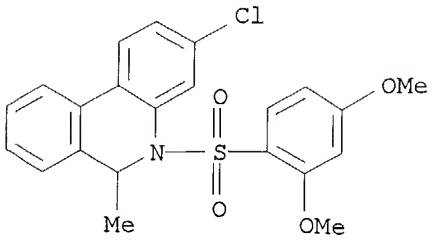
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: US 2002-430949P P 20021204
US 2003-718461 A 20031120

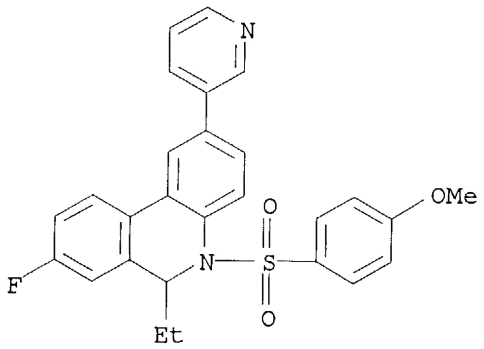
GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Title compds. I and II [wherein R1-R12, R14-R15, R21-R31, R33-R35 = independently H, monofluoroalkyl, monofluoroalkenyl, hydroxyalkyl, CN, NO2, halo, OH and derivs., SH and derivs., SO3H and derivs., SO2NH2 and derivs., CO2H and derivaitves, etc.; R5, R25 = H, monofluoroalkyl, monofluoroalkenyl, hydroxyalkyl, etc.; R6, R26 = H, monofluoroalkyl, monofluoroalkenyl, etc.; R13, R32 = H, alk(en/yn)yl, formyl, SO3H and derivs., SO2NH2 and derivs., D-glucuronidate; and pharmaceutically acceptable salts thereof] were prepared as antiinflammatory agents. Thus, III was prepared by reacting phenanthridine with 4-methoxybenzenesulfonyl chloride in ether in the presence of MeLi, followed by demethylation. Compds. of the invention potently and efficaciously inhibited transcription factor nuclear factor κB (NF-κB) and interleukin 6 (IL-6) expression in ERα infected immortalized human aortic endothelial (HAECT-1) cells (IC50 values about 1 nM) without inducing creatine kinase (CK) expression in an ER-dependent manner, demonstrating antiinflammatory activity in the absence of classic estrogenic activity. Thus, I, II, and their pharmaceutical compns. are useful for the treatment of the inflammatory component of diseases and are particularly useful in treating atherosclerosis, myocardial infarction, congestive heart failure, inflammatory bowel disease, arthritis, type II diabetes, and autoimmune

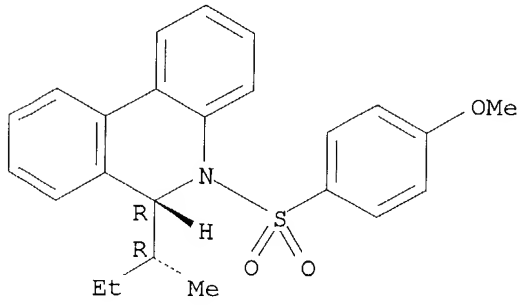


RN 705567-24-4 CAPLUS
CN Phenanthridine, 6-ethyl-8-fluoro-5,6-dihydro-5-[(4-methoxyphenyl)sulfonyl]-2-(3-pyridinyl)- (9CI) (CA INDEX NAME)



IT **705555-71-1P**, 5-[(4-Methoxyphenyl)sulfonyl]-(R*)-6-[(R*)-1-methylpropyl]-5,6-dihydrophenanthridine
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of dihydrophenanthridine sulfonamides as ER ligands for treatment of inflammatory diseases)
RN 705555-71-1 CAPLUS
CN Phenanthridine, 5,6-dihydro-5-[(4-methoxyphenyl)sulfonyl]-6-[(1R)-1-methylpropyl]-, (6R)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2003:624949 CAPLUS
DOCUMENT NUMBER: 139:276764
TITLE: Preparation and characterization of

sulfonyl-azafulleroid and sulfonylaziridino-fullerene derivatives

AUTHOR(S): Ulmer, Lars; Mattay, Jochen
CORPORATE SOURCE: Organische Chemie I, Fakultaet fuer Chemie, Universitaet Bielefeld, Bielefeld, 33615, Germany

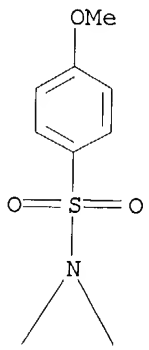
SOURCE: European Journal of Organic Chemistry (2003), (15), 2933-2940
CODEN: EJOCFK; ISSN: 1434-193X
PUBLISHER: Wiley-VCH Verlag GmbH & Co. KGaA
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 139:276764

AB Thermolysis of several sulfonyl azides in the presence of C60 leads either to aza[60]fulleroids or to mixts. of aza[60]fulleroids and corresponding aziridino-fullerenes, depending on the substituent at the sulfonyl group. In all cases, 1,2-closed aziridino-fullerenes can be obtained from azafulleroids by irradiation Addition of sulfonyl azides to C70 only yields azafulleroids with Cs-symmetry. Cyclic voltammetric measurements revealed that there is no significant change of electrochem. properties compared to C60 and C70.

IT **606977-23-5P**
RL: PRP (Properties); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and reduction potentials of sulfonyl-azafulleroids and sulfonylaziridino-fullerenes)

RN 606977-23-5 CAPLUS

CN 2a-Aza-1,2(2a)-homo[5,6]fullerene-C60-Ih, 2a-[(4-methoxyphenyl)sulfonyl]- (9CI) (CA INDEX NAME)



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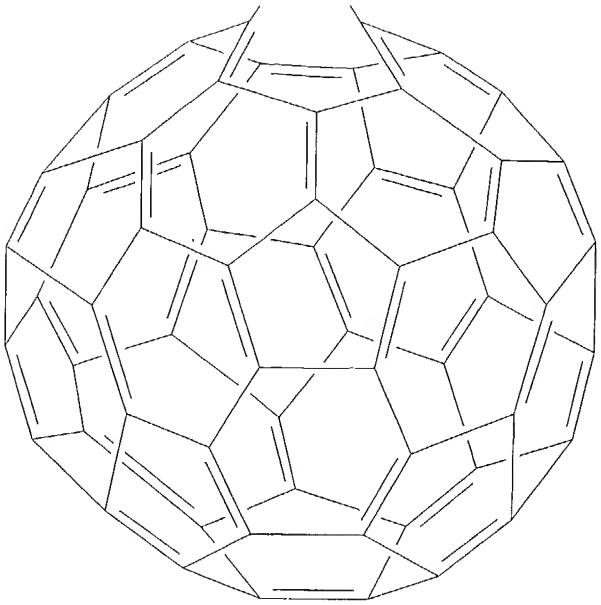

IT **606977-28-0P 606977-29-1P**
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(preparation and reduction potentials of sulfonyl-azafulleroids and sulfonylaziridino-fullerenes)
RN 606977-28-0 CAPLUS
CN 25a-Aza-24,25(25a)-homo[5,6]fullerene-C70-D5h(6), 25a-[(4-methoxyphenyl)sulfonyl]- (9CI) (CA INDEX NAME)

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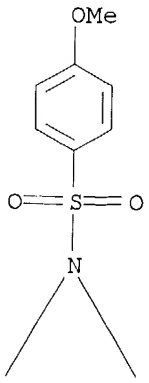

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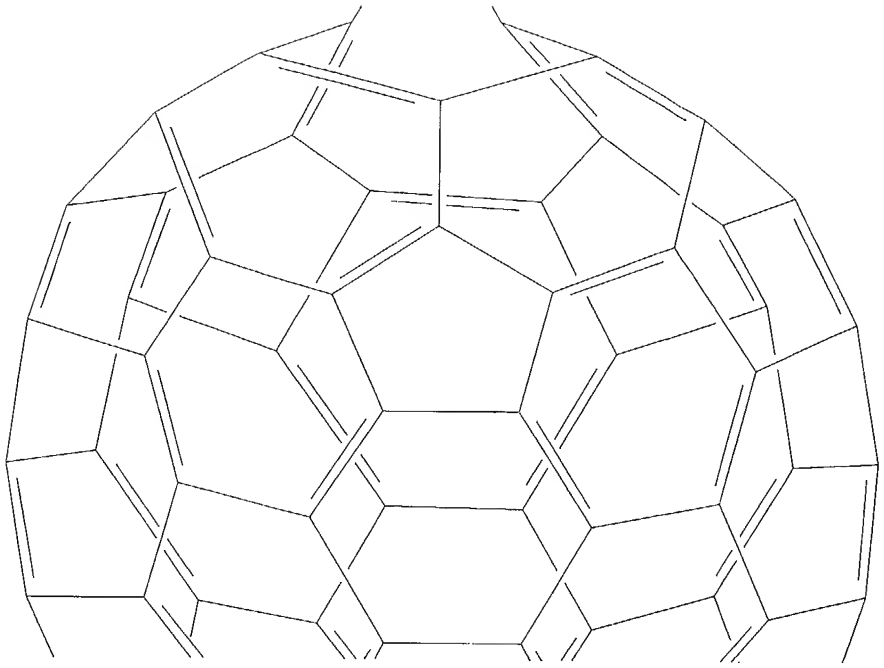
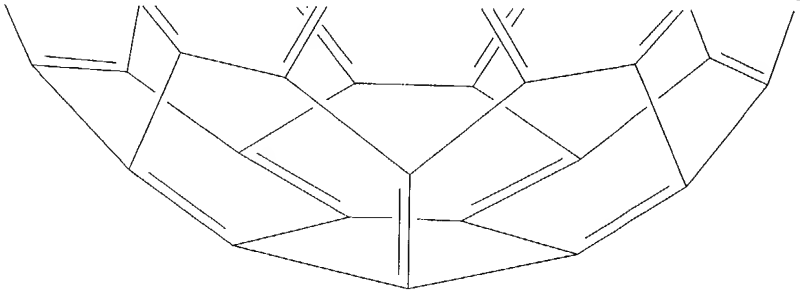


PAGE 3-A



RN 606977-29-1 CAPLUS
CN 6a-Aza-1,6(6a)-homo[5,6]fullerene-C70-D5h(6), 6a-[(4-methoxyphenyl)sulfonyl]- (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
REFERENCE COUNT: 42 THERE ARE 42 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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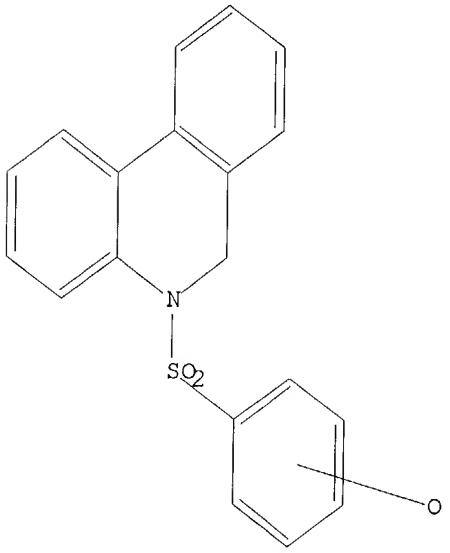
(FILE 'HOME' ENTERED AT 11:54:17 ON 02 AUG 2004)

FILE 'REGISTRY' ENTERED AT 11:54:32 ON 02 AUG 2004
L1 STRUCTURE UPLOADED
L2 1 S L1
L3 198 S L1 FULL

FILE 'CAPLUS' ENTERED AT 11:55:08 ON 02 AUG 2004
L4 2 S L3

=> d l1
L1 HAS NO ANSWERS
L1 STR



Structure attributes must be viewed using STN Express query preparation.

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PALM INTRANET

Day : Monday
Date: 8/2/2004
Time: 11:47:51

Inventor Name Search Result

Your Search was:

Last Name = MOLINARI
First Name = ALBERT

Application#	Patent#	Status	Date Filed	Title	Inve Nam
60430949	Not Issued	159	12/04/2002	SUBSTITUTED DIHYDROPHENANTHRIDINE-SULFONAMIDES	MOI ALB
60218628	Not Issued	159	07/17/2000	HETEROCYCLIC BETA-3 ADRENERGIC RECEPTOR AGONISTS	MOI ALB
60054252	Not Issued	159	07/30/1997	TRICYCLIC VASOPRESSIN AGONISTS	MOI , AL J.
60029927	Not Issued	159	11/01/1996	3-CARBOXAMIDE DERIVATIVES OF 5H-PYRROLO[2,1-C][1,4]BENZODIAZEPINES	MOI , AL J.
10718461	Not Issued	030	11/20/2003	SUBSTITUTED DIHYDROPHENANTHRIDINESULFONAMIDES	MOI ALB JOH
10625872	Not Issued	030	07/24/2003	SPHEROIDAL CAST IRON PARTICULARLY FOR PISTON RINGS AND METHOD FOR OBTAINING A SPHEROIDAL CAST IRON	MOI ALB
10320761	Not Issued	041	12/16/2002	BIOLOGICALLY ACTIVE VASOPRESSIN AGONIST METABOLITES	MOI ALB
10316945	Not Issued	168	12/12/2002	SPHEROIDAL CAST IRON, PARTICULARLY FOR PRODUCING ELASTIC SEALING SEGMENTS FOR ENGINE PISTONS	MOI ALB
10189312	6605618	150	07/02/2002	HETEROCYCLIC BETA-3 ADRENERGIC RECEPTOR AGONISTS	MOI ALB JOH
09903841	6451814	150	07/12/2001	HETEROCYCLIC BETA-3 ADRENERGIC RECEPTOR AGONISTS	MOI ALB
09122020	6511974	150	07/24/1998	TRICYCLIC VASOPRESSIN AGONISTS	MOI , AL J.
08955511	5880122	150	10/22/1997	3-CARBOXAMIDE DERICATIVES OF 5H-PYRROLO [2,1-C] 1,4] -BENZODIAZEPINES	MOI , AL

					J.
08903369	Not Issued	161	07/30/1997	TRICYCLIC VASOPRESSION AGONISTS	MOI, AL J.
08743443	Not Issued	168	11/01/1996	3-CARBOXAMIDE DERIVATIVES OF 5H-PYRROLO [2,1-C][1,4]-BENZODIAZEPINES	MOI, AL J.
07812791	5438064	150	12/23/1991	DERIVATIVES OF 4-ANILINOQUINOLINE-3-CARBOXAMIDE AS ANALGESIC AGENTS	MOI, AL J.
07592160	5212182	150	10/03/1990	SUBSTITUTED QUINOLINYL- AND NAPHTHALENYLBENZAMIDES OR BENZYLAMINES AND RELATED COMPOUNDS USEFUL AS ANALGESICS	MOI, AL J.
06383422	4454319	150	06/01/1982	PYRIMIDO(6,1-A)ISOQUINOLINE-4-ONE DERIVATIVES	MOI, AL J.

Inventor Search Completed: No Records to Display.

Search Another: Inventor

Last Name Molinari **First Name** Albert

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